IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re the application of:

Stephen NAJDA

International Appln. No.: PCT/GB2003/004705

International Filing Date:

30 October 2003

For:

QUANTUM WELL INTERMIXING IN

SEMICONDUCTOR PHOTONIC DEVICES

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

POWER OF ATTORNEY AND CERTIFICATE UNDER 37 C.F.R. §3.73(b)

I, John Marsh, am Chief Technical Officer of Intense Limited, a company duly organized and existing under the laws of the United Kingdom and having its principal place of business at 4 Stanley Boulevard, Hamilton International Technology Park, High Blantyre, Glasgow G72 0BN, United Kingdom ("Assignee"). The Assignee is the owner of the entire right, title and interest in the above-identified patent application ("the Patent Application") by virtue of an assignment from the inventor of this Patent Application. As evidence of this assignment, the Assignee points to the Assignment from the inventor to Assignee enclosed herewith, in the condition it is being submitted for recordation.

The undersigned is empowered to sign this document on behalf of the Assignee and has full power to grant and revoke powers of attorney.

Attorney Docket No. 305832-00112

Assignee hereby appoints Jefferson Perkins, Reg. No. 31,407, of the firm of Daspin & Aument, LLP, as its attorney to prosecute this Patent Application and to transact all business in the U.S. Patent and Trademark Office connected with the Patent Application and with any resulting patent, and to represent Assignee before all competent International Authorities. This appointment includes a full power of substitution and revocation.

Please direct all correspondence to:

Daspin & Aument, LLP 210 W. 22nd Street, Suite 102 Oak Brook, Illinois 60523

Please direct all telephone calls to:

Jefferson Perkins (630) 990-4503

CUSTOMER NUMBER: 43138

Attorney Docket No. 305832-00112

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

INTENSE LIMITED

Signature:

John Marsh

Title:

Chief Technical Officer

Date:

1 June 2005

ASSIGNMENT

WHEREAS, I, the undersigned sole inventor, of residence as listed, having invented certain new and useful improvements as below entitled, for which I have applied for a patent, said application having been filed under the Patent Cooperation Treaty on 30 October 2003 under Application Number PCT/GB2003/004705 and having designated the United States; and

WHEREAS, INTENSE LIMITED (hereinafter referred to as "Assignee"), a corporation of the United Kingdom with an address of 4 Stanley Boulevard, Hamilton International Technology Park, High Blantyre, Glasgow G72 0BN, United Kingdom, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, and continuations-in-part thereof; and I authorize and request the Director of the United States Patent and Trademark Office to issue all patents for said invention insofar as my interest is concerned, to Assignee.

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part and reissue applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:	QUANTUM WELL INTERMIXING IN SEMICONDUCTOR PHOTONIC DEVICES
Attorney Docket No.:	305832-00112
PCT Application Number and Filing Date:	PCT/GB2003/004705, filed 30 October 2003
Signature of Inventor:	
Inventor's Name:	Stephen NAJDA
Residence (City, Province or State, Country):	Glasgow, Great Britain
Date of Signature:	1/6/05



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER

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JEFFERSON PERKINS 210 WEST 22ND STREET SUITE 102 OAK BROOK, IL 60523

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RECORDATION DATE: 06/17/2005

REEL/FRAME: 016167/0193

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NAJDA, STEPHEN

DOC DATE: 06/01/2005

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GLASGOW, UNITED KINGDOM G72 OBN

SERIAL NUMBER: 10533330

FILING DATE:

PATENT NUMBER:

TITLE:

ISSUE DATE:

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016167/0193 PAGE 2

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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1 06/17/2005 500036254

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NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

	Name	Execution Date
Stephen NAJDA		06/01/2005

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	10533330	

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Total Attachments: 2

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